FORM PTO 1449	US DEPARTMENT OF COMMERC PATENT AND TRADEMARK OFFICE	E ATTY DOCKET 76-	NO 10 5	SERIAL NO	39,905
1151 OF PRIC	DR ART CITED BY AND ICANTE	APPEICANT	\1	tark GUZEN	
(1)	e several sheets it necessity) MAR 1 0 1998	ILING DATI Septemb	er 29, 1997	GROUP	31
	SEN WARADEN	AT DOCUMENTS			
	TRYHADI	NI IXX CARESTO	(1.188	SUBCLASS	HIINGDAH

AMINER SHIM		DOCUMENT NUMBER	DATE	DOCUMENTS NAMI	CLASS	SEBCLASS	THENG DATE H APPROPRIATE
M	AA	5,491,085	02/13/1996	Pokora, et al.	435	192	
1/M	AB AB	5,370,770	12.06 1994	Johnson, et al.	162	6	
47	Λſ						
	ΔD						
	Λŀ						
	ΛI			 	_		
	AG						
	111						
	Al						
	AJ						

FOREIGN PATENT DOCUMENTS

	,		Ţ	NT DOCUMEN			1RASS	LATION
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Y15	<u> 80</u>
-1	 		06/04/95	PCT				
AM	<u> </u>	WO 95/08914		JAPAH	·			
DM_	AM	JP04126088	9/19/90	-7 HAMIL				
	AN							
	ΔΟ		ļ	 				
	ΔP					1		\

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Ltc.)

	(HIER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)
AM	AR	El Lurk, J., Asemota, O., Leymarie, J., Sallaud, C., Mesnage, S., Breda, C., Birrard, D., Kondorosi, A. and Esnault, R., Nucleotide Sequences Of Four Pathogen-Induced Alfalfa Resources (Incompared DNAs, Journal Gene 170(2), 213-216(1996)
AM	15	Baga, M., Chibbar, R.N. and Kartha, K.K., Molecular Cloning And Expression Analysis of Peroxidase Genes From Wheat, Journal Plant Mol. Biol. 29(4), 647-662 (1995), Accession No. 295228
AM	A1	Osakabe, K., Koyama, H., Kawai, S., Katayama, Y. and Morohoshi, N., Molecular Cloning And Nucleotide Sequences Of Two Novel cDNA that Encode Anionic Peroxidases Of Populus Kitakmiensis, Journal Unpublished (1994), GenBank 1994, Accession No. D30652

INMINER A N AA D	DATE CONSIDERED	9-13-00
Ad Massles		ac Martin 600: Draw lin

^{*}FXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

RM P1O 1449		US DEPARTMENT PATENT AND TRAI	DEMARK OFFICE.	APPLICANT 08939, 905				
[181 C	prprior Al Bosson I)	RT CTH D BY APPEA d sheets if necessary)	TAE	Mark GDZEN GROUP 163 September 30, 1996				
			VB 1 1990 4	September				
		T. P. C.	U.S. PATENT	OCUMENTS				
I X AMINER ENTITAL		DOCUMENT NUMBER	RABIN	NAME.	CLASS	SUBCLASS	THEING I TE APPROPI	
	AA _							<u> </u>
	AB							
	AC							
	11)							
	A1							
	A1:							.
	ΛG							
	\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\							
	Al							
	AK AK							
								
			FOREIGN PATE	NT DOCUMEN	TS T		1RAN	SLATION
		DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
	_	NUMBER						
	Al							
	AM							
	AO							
	AP							<u> </u>
						sass Etc.)		
			ART (Including A		At Orman S	necific Express	ion Of Thre	ec
M	AR	Peroxidas	s, S.L., Hayes, C.M. e-Encoding cDNA Accession No. L3	is From Eucerne 6156	(Nicaleuzy)			
AM	7 ,,	Scott-Cra	ig, J.S., Kerby, K.: se That Is Induced graminis f. sp. hr	B., Stein, B.D. at	nd Somerville eum Vulgare ipublished (1	e, S.C., Express by the Powed 994), Accessio	sion Of An ery Mildew n No. L360	Extracel Pathoge 93
AM	` `	Osakabe,	K., Koyama, H., I te Sequences Of T iensis, Journal Unp	Çawai, S., Kataya	ama, Y, and I	Morohoshi, N., • Anionic Pero	Molecular Xidases Of I	cioning Populus
		клакатт	icusia, rountai can					
	I	<u> </u>	0	DATE CO	NSIDERED	-12-100		
EXAMIN	IK AL	In Mas	Le1		9	1)		
		if reference consider symance and not cons			Conco Wi	њ МРЕР 609::	Draw line ti	попеп

							Sheet 3 of 6
TORM P1O 1449		US DEPARTME PATENT AND TR	ST OF COMMERCE ADEMARK OFFICE	ATTY DOCKI-1	NO -10 5	SERIAL NO	39,905
! ; <u>; ; ; </u> ; ; ; ; ; ; ; ; ; ; ; ; ; ;	W PRIOR :	ART CHIED BY APP	LICAO I P &	APPLICANT		ark GBZEN	
1.5 %	(Escset	cral sheets if uccessary).	MAR 1 0	898 15 A II	ner 30, 1996	GROUP	1631
			Ear.	MARKE			
+FX AMINER		DOCUMENT NUMBER	U. S. PATE	NAME:	CLASS	SUBCI ASS	FILING DA11 IF APPROPRIA1E
INHIAL	AΛ	***************************************					

9 XAMINER INITIAL		DOCUMENT NUMBER	DAH	NAME	CLASS	SUBCLASS	FILENG DATI III APPROPRIATE
	AA						
	AB			 			
	ΑC						
	ΑĐ						
	AF						
	Al						
	ΔG					 	
	ΔĦ						
	11						
	Al		-				
	AK						

 			ENT DOCUMEN			TRANS	ISLATION _	
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO	
A1.								
 AM								
AN				 				
AO				1				
ΔP					<u> </u>			

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

		OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)
AM	ΛR	Osakabe, K., Kawai, S., Katayama, Y. and Morohoshi, N., Nucleotide Sequence For The Genomic DNA Encoding The Anionic Peroxidase Gene From Nicotiana Tabacum, Journal Uppublished (1993), GenBank 1993 Accession No. D11396
AM	AS	Diaz-De-Leon, F., Klotz, K.L., and Lagrimini, M., Nucleotide Sequence Of The Tobacco (Nicotiana Tabacum) Anionic Peroxidase Gene, Journal Plast Physiol. 101, 1117-1118 (1993).
1m	.\1	Eujiyama, K., Takemura, H., Shibayama, S., Kobayashi, K., hoi, JK., Shinmyo, A., Takano, M., Yamada, Y., and Okada, H., Structure Of The Horseradish Peroxidase Isozyme c Genes, Journal Eur. J. Biochem. 173, 681-687 (1988), Medline 88225087, Accession No. M37156

	DATE CONSIDERED
EXAMINER Andin Marschel	9-13-00
man 1 will ve	station is in conformance with MPEP 609. Draw line through

*FXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

ORMP10 1419		US DEPARTMEN PATENT AND TR	ALOF COMMERCE ADEMARK OFFICE	ATTY DOCKET 76 APPLICANT	-105		39,905
1481 ()F PRIOR A (to a seve	ART CITED BY APP	0 1999	Fully of DATI	ber 30, 1996	Mark GUZEN GROUP	1631
			PAR PATENT	UMEN IS	CLASS	SUBCLASS	THING DATE
1 X MINTR INTENT		DOCUMENT NUMBER	DATE				APPROPRIATE.
	1.1						
	AB				-		
	AC				1		
	N)						
	Al						
	AF						
	AG						
	A11						
	Al						
	AJ						
	AK						

		FOREIGNIAT	ENT DOCUMEN			TRANSLATION	
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	N()
 ΔI			 				
ΑМ				-			
AN							
 дО							<u> </u>
 AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	(OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)
AM	AR	Huangpu et al. Cloning Of A Soybean cDNA Encoding The Abundant Astorne Peroxidase, Plant Gene Register PGR95-136, GenBank Accession No. U41657
AM	14	Osakabe et al. Molecular Cloning Of Two Tandemly Arranged Peroxidase Genes From Populus Kitakamiensis And Their Differential Regulation In The Stem. Plant Molecular Biology 28:677- Kitakamiensis And Their Differential Regulation In The Stem. Plant Molecular Biology 28:677- 689, 1995
AM	ΛΙ	Gillikin and Graham, Purification And Developmental Analysis Of The Major Amonic Peroxidase From The Seed Coat Of Glycine MAX ¹ , Plant Physiol. (1991) 96, 214-220

1	DATE CONSIDERED
EXAMINER Judin Massler	9-13-00
Just 1	and citation is in conformance with MPEP 609; Draw line through

*FXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

			OTHER PARTY	NAME	(1.388	SUBCLASS	THING DATE
L X AMINI R INTENT		DOCUMENT NUMBER	DAH	V. V. V. V.			APPROPRIATE.
	AA				\		
	AB			 			
	ΑC				_		
	41)						
	ΔF						
	NI.						
	XCi .						
	All						
	Al						
	AJ						
	AK						

	1	FOREIGN PA H	ENT DOCUMEN	rs T		TRANS	LAHON
	DOCUMENT	DAUL	COUNTRY	CI ASS	SUBCLASS	YES	2(0)
Al	NUMBER			-			
\\\\							
AN							
AP							L

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

		OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)
AM	\R	Lagrimini et al. Peroxidase-Induced Wilting In Transgeme Tobacco Table 2 7-18 January 1990, American Society Of Plant Physiologists
AM	15	Gijzen et al. Soybean Seed Coat Peroxidase. A Comparison Of High-Activity And Low-Activity Genotypes, Plant Physiol. (1993) 103:1061-1066 Denotypes And
Am	Al	McEldoon et al. Lignin Peroxidase-Type Activity Of Soybean Peroxidase, Enzyme And Microbial Technology, 17:359-365, 1995
	<u> </u>	

DATE CONSIDERED 9-13-00 EXAMINER Andin Marshel

*FXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ORM P1O 1449		U.S. DI PARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Λ11Υ DOCKELN 76-1		08	08/939,905		
			PF	APPLICANT	- \ 1.6	ark GHZEN			
LIST OF PRIOR ART CITED BY ADVERGART E (Use several sheets it necessary) (1) 19				Mark GUZEN GROUP 7/22					
			1 1998 1	September	- 30, 1996		1631		
		1	<u> </u>	1					
		C.	THE PARTY OF	OOCUMENTS					
9 X AMINI R		poctMENT	DATE	NAME	CLASS	SUBCLASS	FILING DATE TE APPROPRIATE		
INITIAL		NUMBER							
	AA								
	ΔB								
	AC								
	.40								
	AF								
	Al								
	AG								
	Al								
	AJ								
·	AK								
	<u> </u>								
			FOREIGN PATE	NT DOCUMEN	ITS	<u> </u>	TRANSLATION		
		DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	VIS NO		
		NUMBER							
	11								
	AM					<u> </u>			
	AN								
	AU	ļ							
	<u> </u>								
		OTHER PRIOR	. ART (Including A	uthor, Title, Dat	e. Pertinent	Pages, Etc.)	1/1 - 1		
Am		Sessa et a 29, No. 5	Sessa et al, Soybean Peroxidases: Purification And Some Properties, J. Agric, Food Chem., vo. 29, No. 5, 1981, p. 960-965						
AM		Freiberg. To Perov	Freiberg, Indiana Crop: Keeping Its Members Up With The Changing Times, From Isozymes To Poroxidase, Seeds & Crops Ind. (March 1995) pp. 4-9						
AM.			Mark Gijzen, A Deletion Mutation at the ep Locus causes low seed coat Peroxidase Activity i Soybean, Genbank ACC, NO. (GBN): AF014502, August 25, 1997						
/\\``	· ' '	1 000000	Cichotomicia	•					

DATE CONSIDERED
9-13-00

*FXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609, Draw line through

cutation if not in conformance and not considered. Include copy of this form with next communication to applicant

IXIMINIR Andin Marselot